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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/620,250	07/15/2003	Hiroshi Tcramachi	928_002	8901
25191	7590	08/17/2007		
BURR & BROWN PO BOX 7068 SYRACUSE, NY 13261-7068			EXAMINER KRAUSE, JUSTIN MITCHELL	
			ART UNIT 3682	PAPER NUMBER
			MAIL DATE 08/17/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Interview Summary

Application No.

10/620,250

Applicant(s)

TERAMACHI, HIROSHI

Examiner

Justin Krause

Art Unit

3682

All participants (applicant, applicant's representative, PTO personnel):

(1) Justin Krause.(3) Tim Evans.(2) Thomas Hannon.

(4) ____.

Date of Interview: 14 August 2007.

Type: a) ☒ Telephonic b) ☐ Video Conference
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.
If Yes, brief description: ____.

Claim(s) discussed: 1.

Identification of prior art discussed: Teramachi '039, Teramachi '158.


Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.


Thomas R. Hannon
Primary Examiner

Examiner's signature, if required

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Mr. Evans presented proposed amendments to claim 1. It was proposed to remove the word "upward" from the amended language to avoid issues in establishing a reference frame. The proposed amendment was still deemed to not overcome figure 10A of Teramachi '158. Language was discussed to differentiate the present invention from the prior art. Language drawn to further defining the "horizontal portion" in the claim was discussed. Language further defining the horizontal portion 'having upper and lower horizontal exposed surfaces', or 'a horizontal section having a uniform thickness between exposed horizontal surfaces', was deemed to overcome the prior art of record. Applicant is reminded that all amendments are subject to further search and consideration.

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-Unofficial-

August 13, 2007

To: Examiner Justin Mitchell Krause Fax No.: (571) 273-3012
From: Stephen P. Burr/Timothy D. Evans Fax No.: (315) 233-8320
Re: U.S. Patent Application Serial No. 10/620,250
Title: ROLLING GUIDE APPARATUS
Conf. No.: 8901
Our Ref.: 928_002

COMMENTS:

Dear Examiner Krause:

In preparation for our telephonic interview scheduled tomorrow (Tuesday, 2:00 PM), please find our proposal for amending claim 1 shown below:

1. (Currently Amended) A rolling guide apparatus comprising:
a track rail comprising a central plate portion, first and second rolling member contact plates projecting outwardly from said central plate portion, and first and second fixed plates projecting outwardly from said central plate portion, each of said rolling member contact plates having a horizontal portion located at a root side adjacent the central plate portion and an inclined ~~circular~~ arcuate portion located at a projecting side opposite said root side, the inclined arcuate portion curves upward to a height further from the fixed plates than the horizontal portions; and
a movable block having at least four sets of endlessly circulating rolling member rows built therein which are in rolling contact with at least two surfaces of said first and second rolling member contact plates of said track rail,
wherein said central plate portion is elastically deformable by forces placed on said rolling member contact plates and said fixed plates.

The PTO is respectfully requested to note that similar to previously cited prior art, Teramachi '039 discloses the presence of convexly curved surfaces located at projecting ends of the rolling member contact plates, the convex surfaces being located lower than an upper surface of the rolling member contact plates. There are no portions of the rolling member contact plates in Teramachi '039 that extend to a height further from the upper horizontal surface of the rolling member contact plates. Applicants respectfully submit that the features, including the proposed amendments, recited in claim 1, provide for a flexible structure track rail that has a high shock reducing or absorbing effect due to its flexible structure as well as a self-aligning capability to absorb parallelism errors between mounting surface. The parallelism errors between the mounting surfaces and the mounting error thereof are absorbed by the elastic deformation of the flexible structure track rail so that the contact structure of the endlessly circulating rolling member rows with the track grooves are maintained properly, ensuring light and smooth movement therebetween.

We will contact you Tuesday at 2 PM, unless we hear otherwise from you beforehand.

Sincerely,

Tim Evans